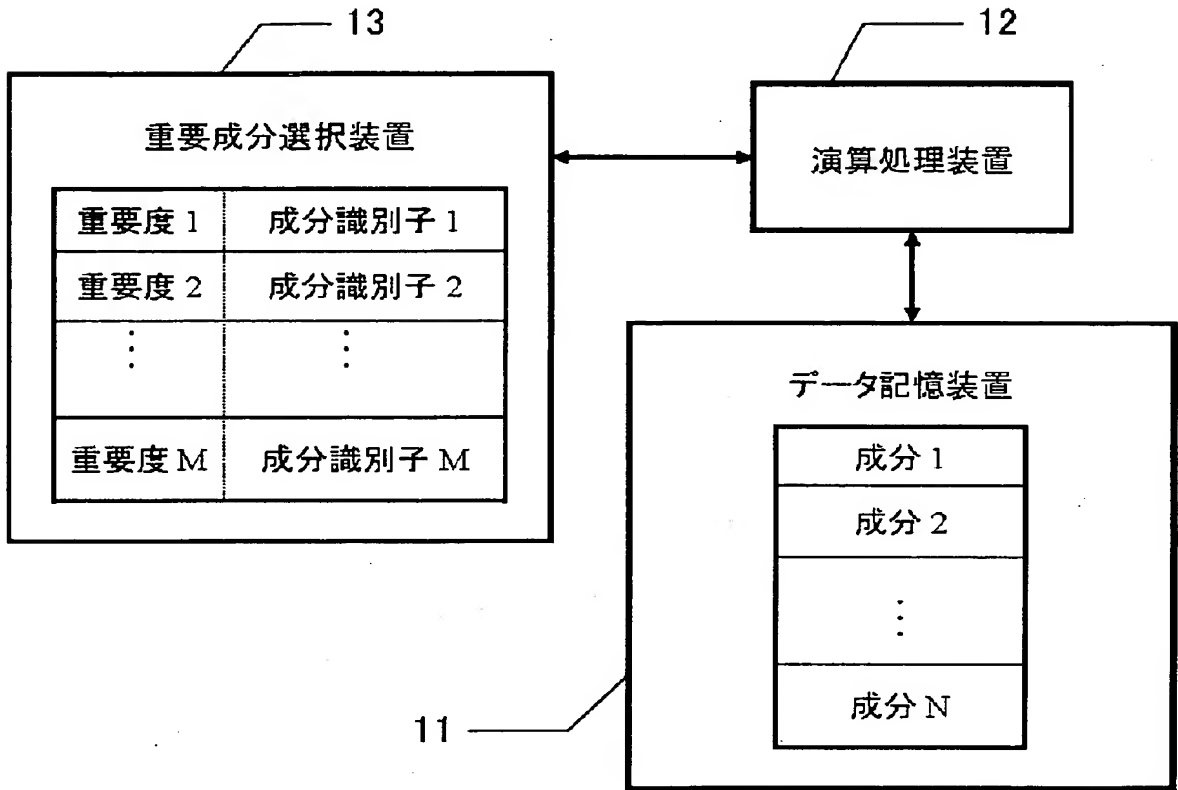
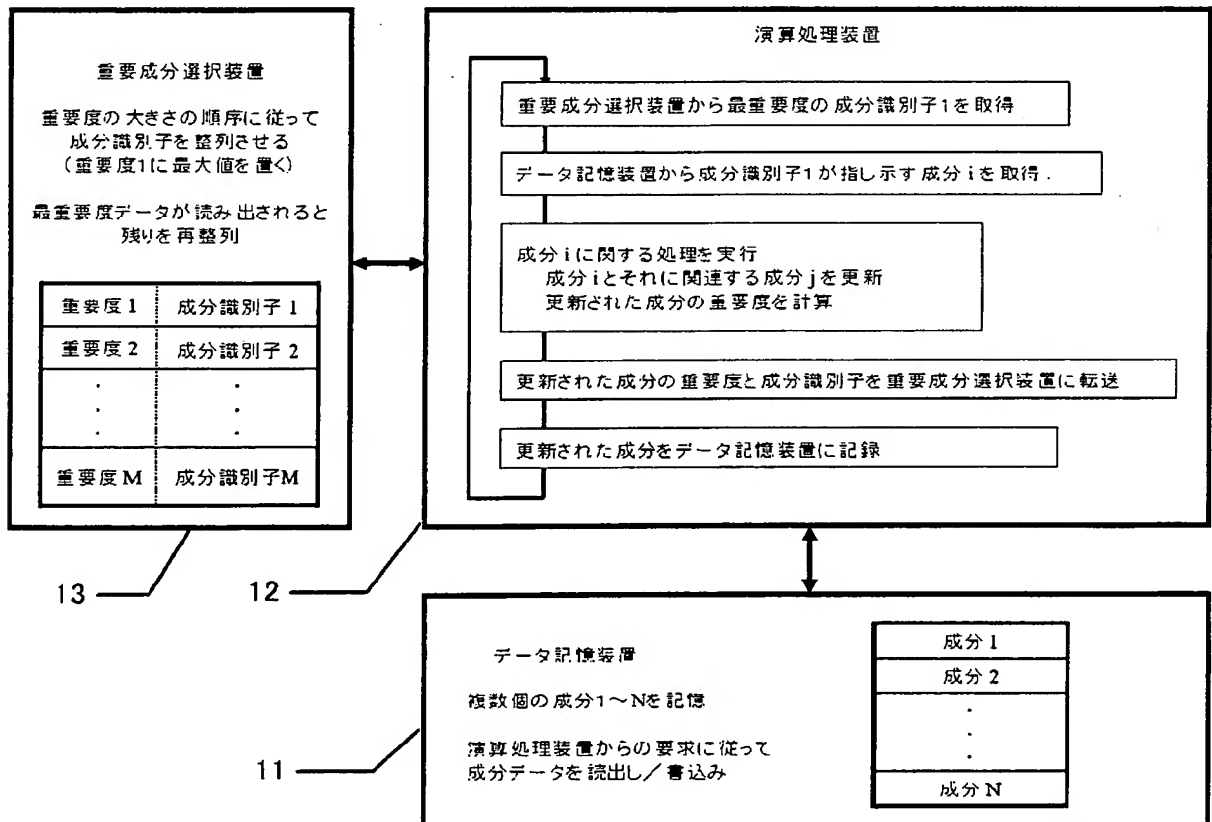


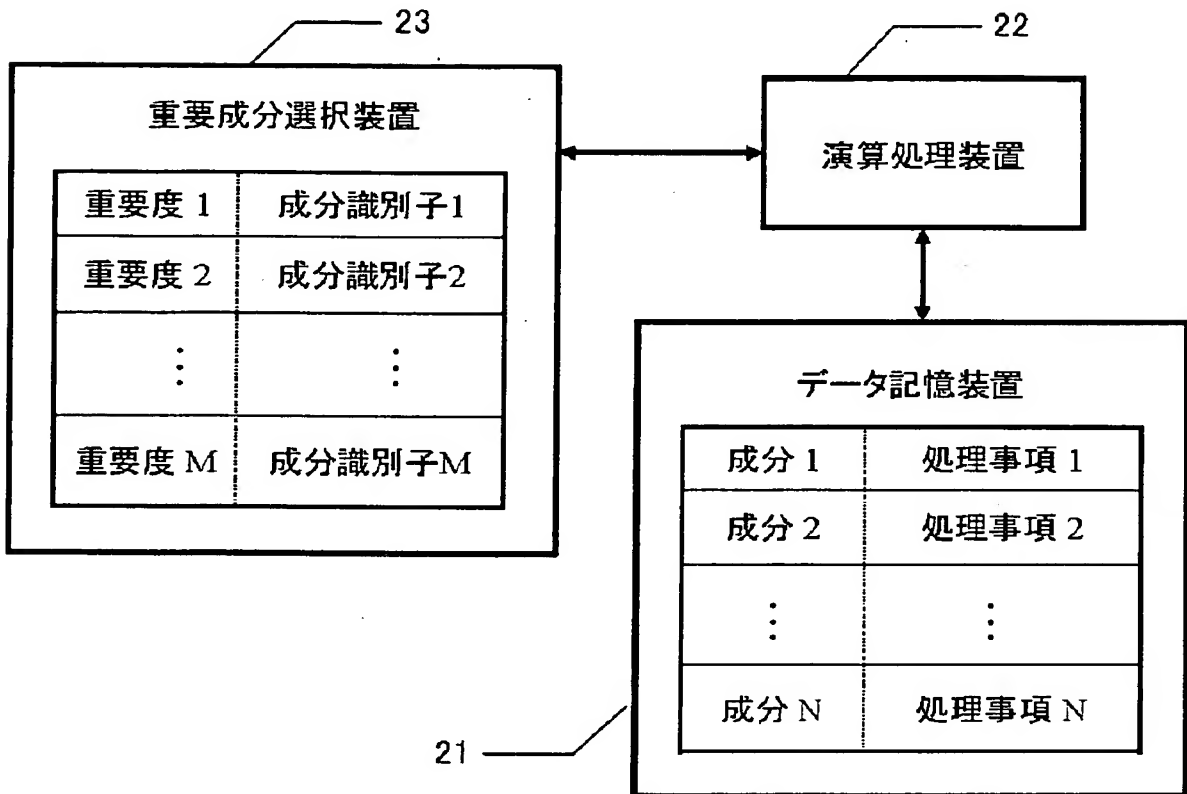
[図1]



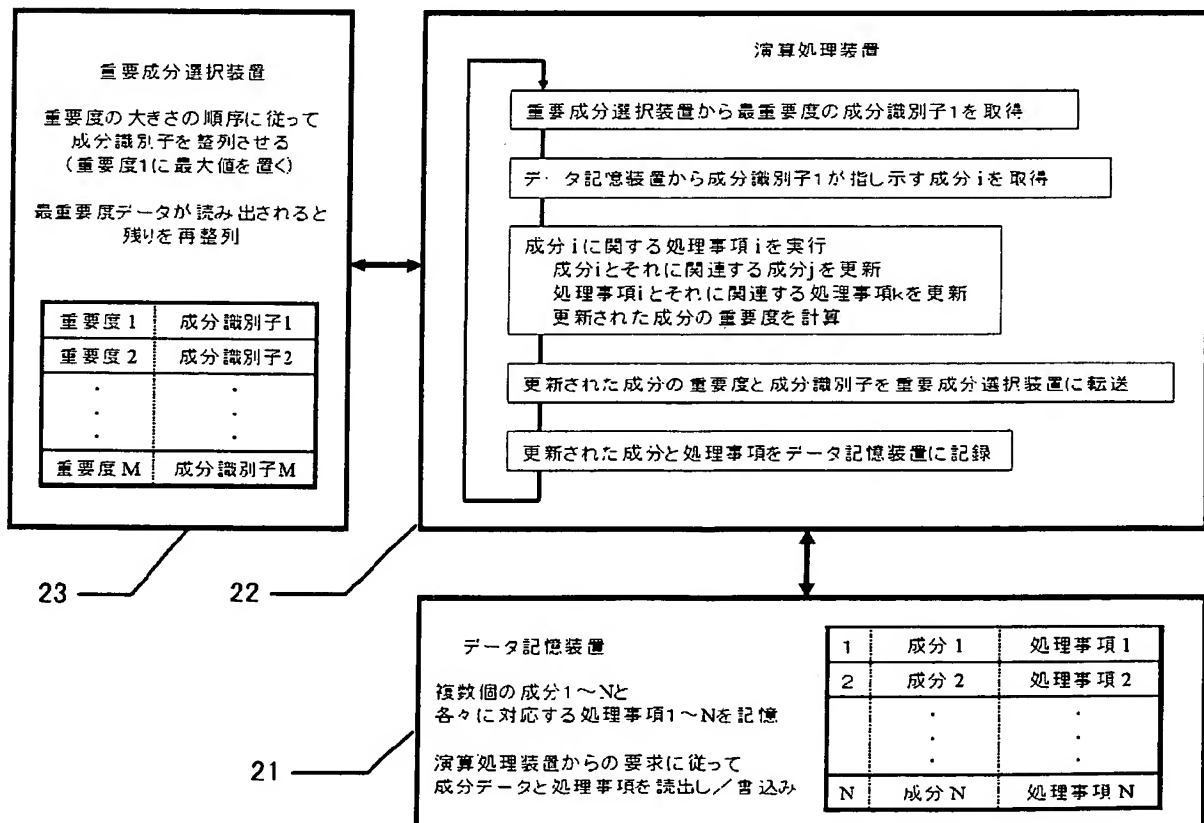
[図2]



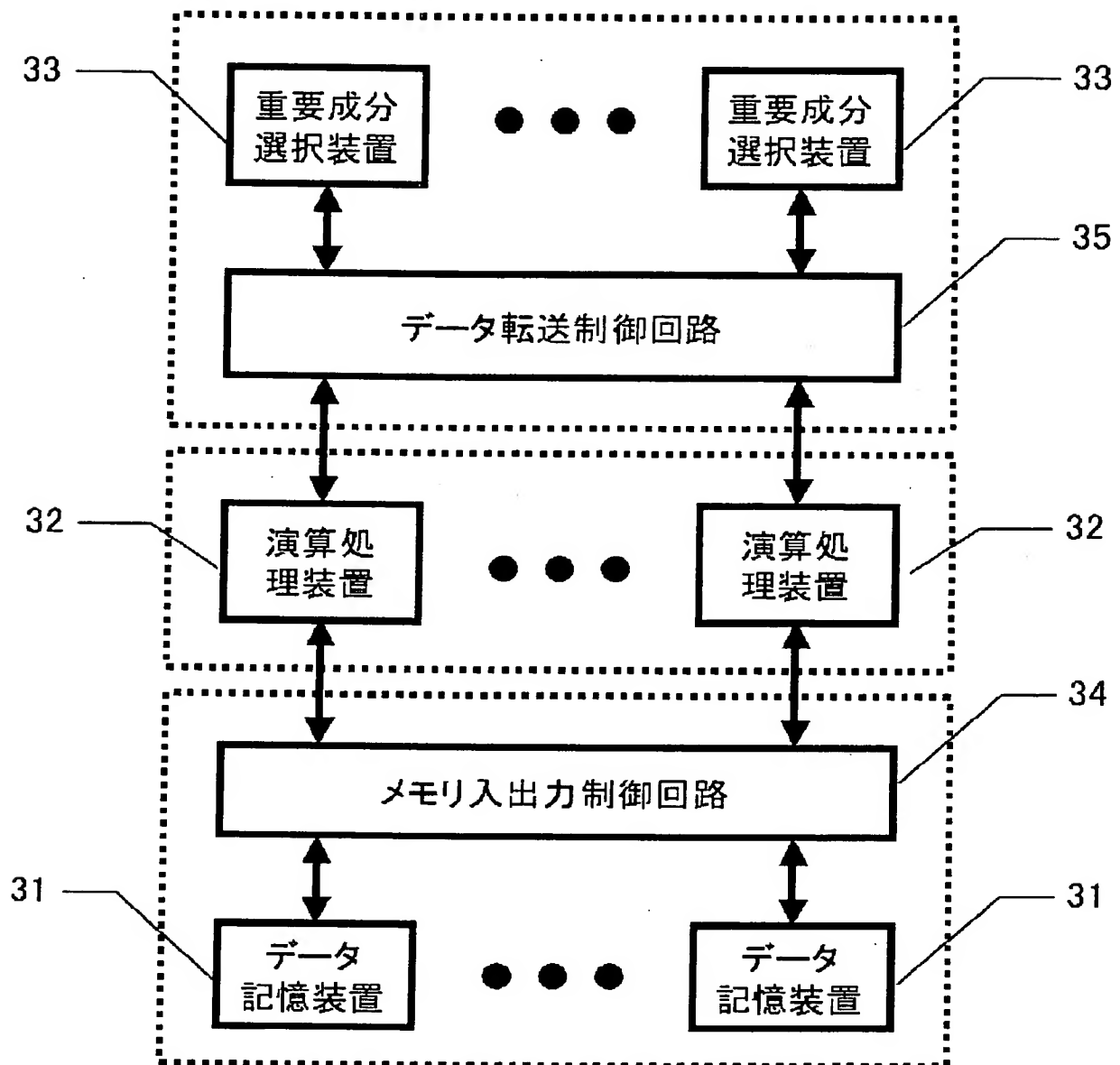
[図3]



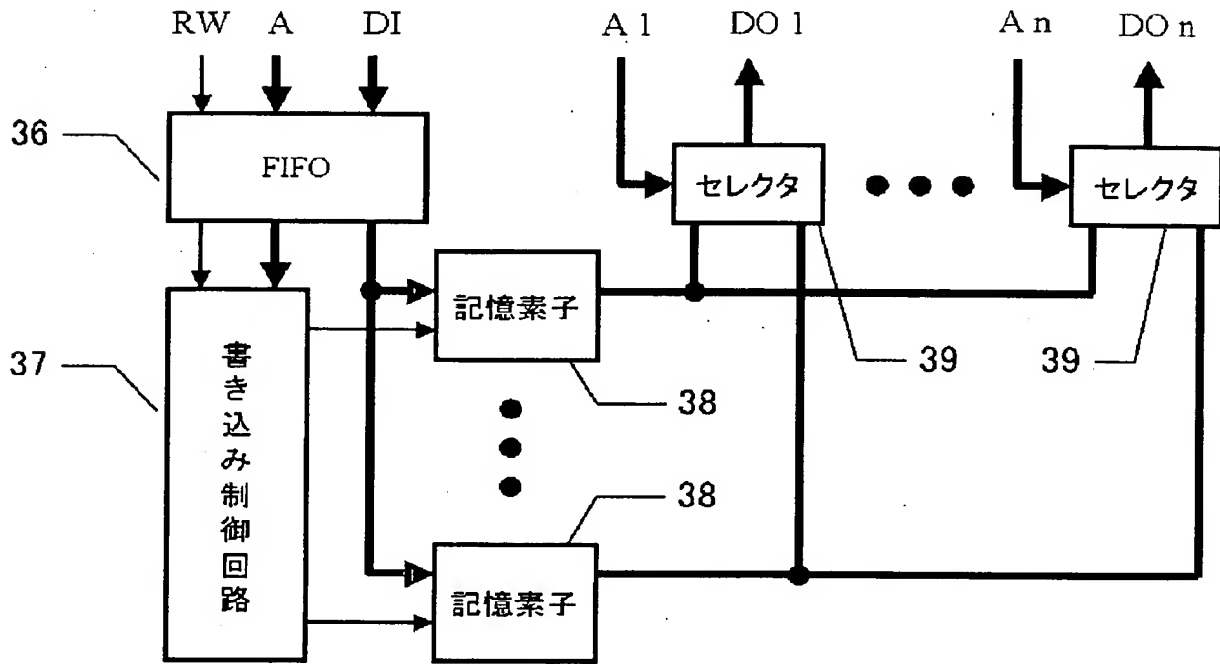
[図4]



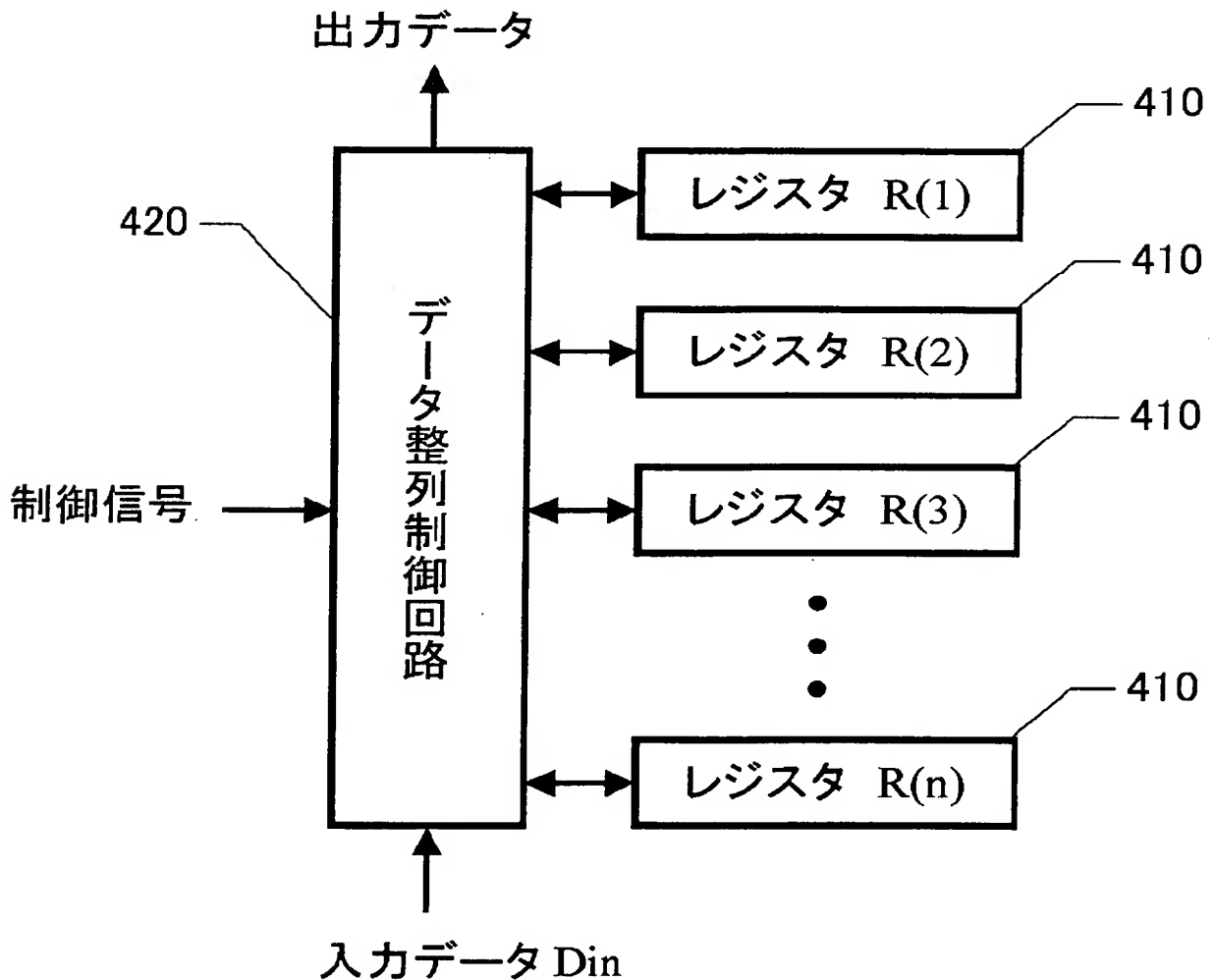
[図5]



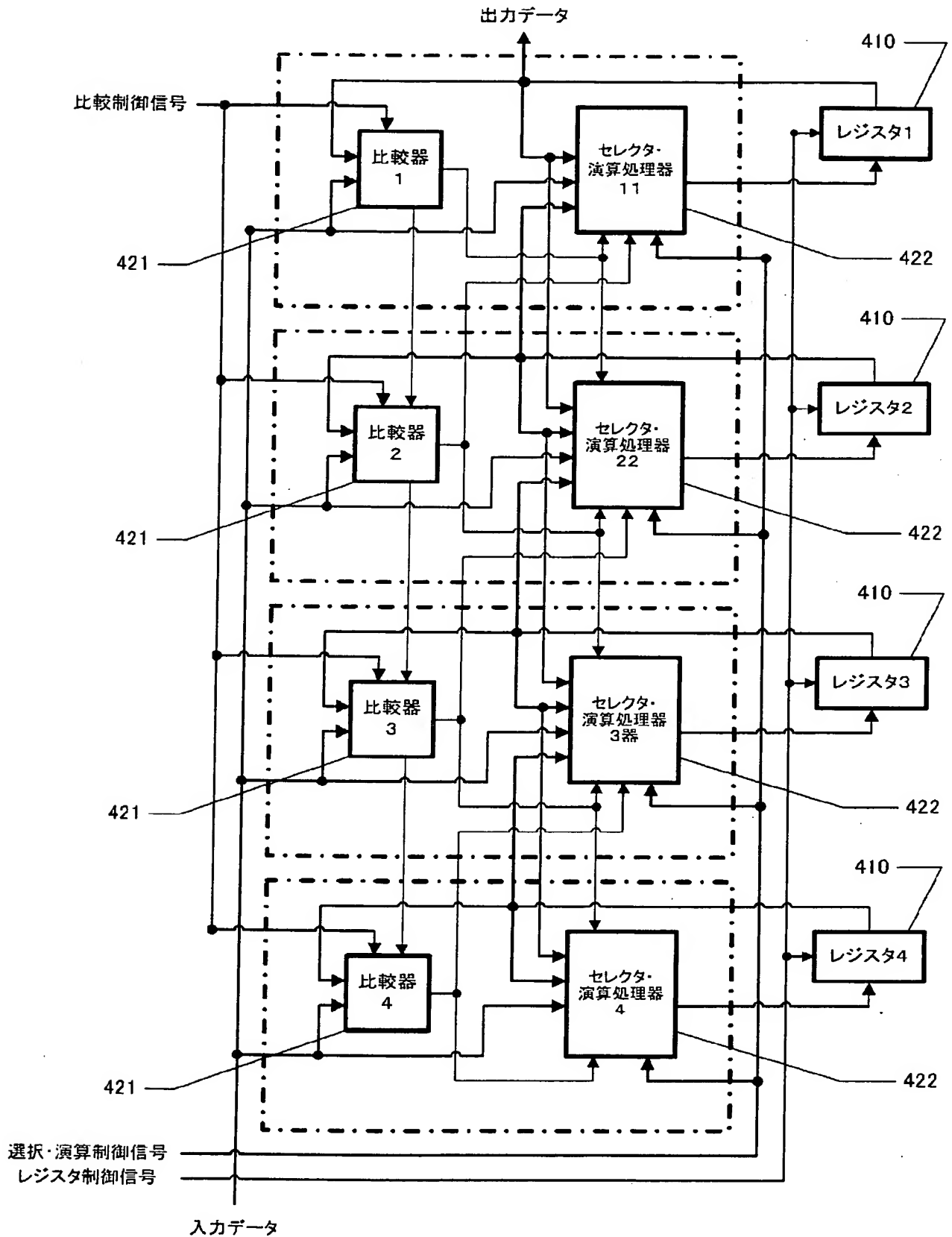
[図6]



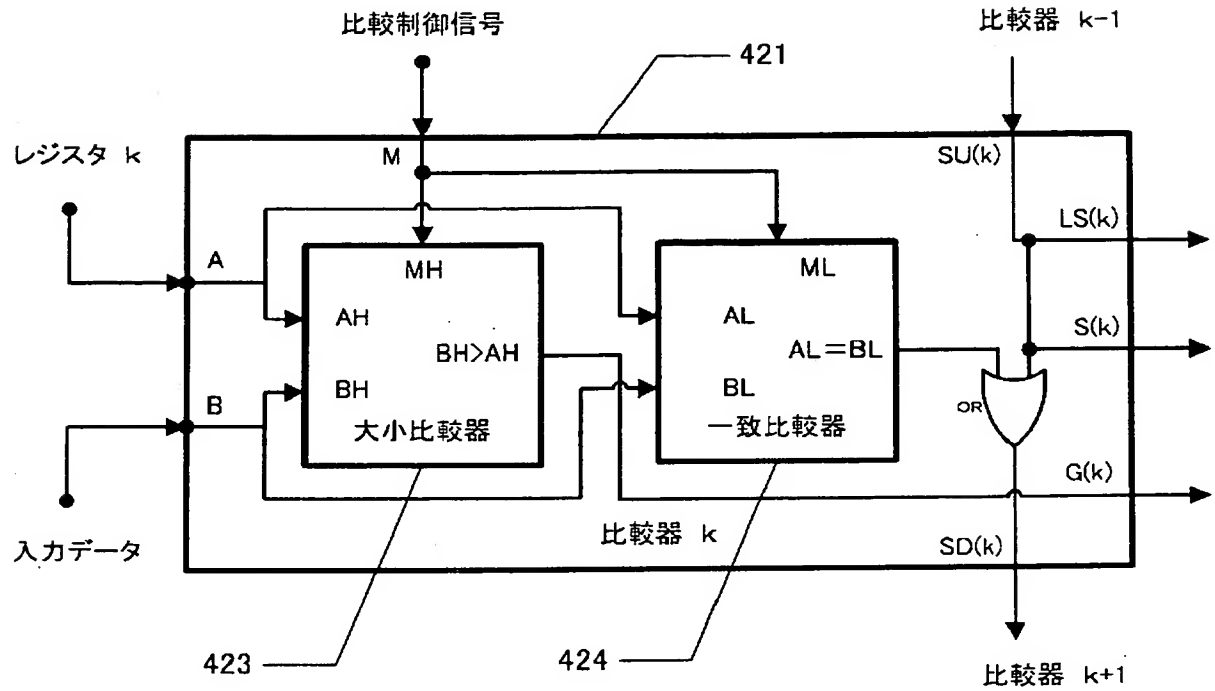
[図7]



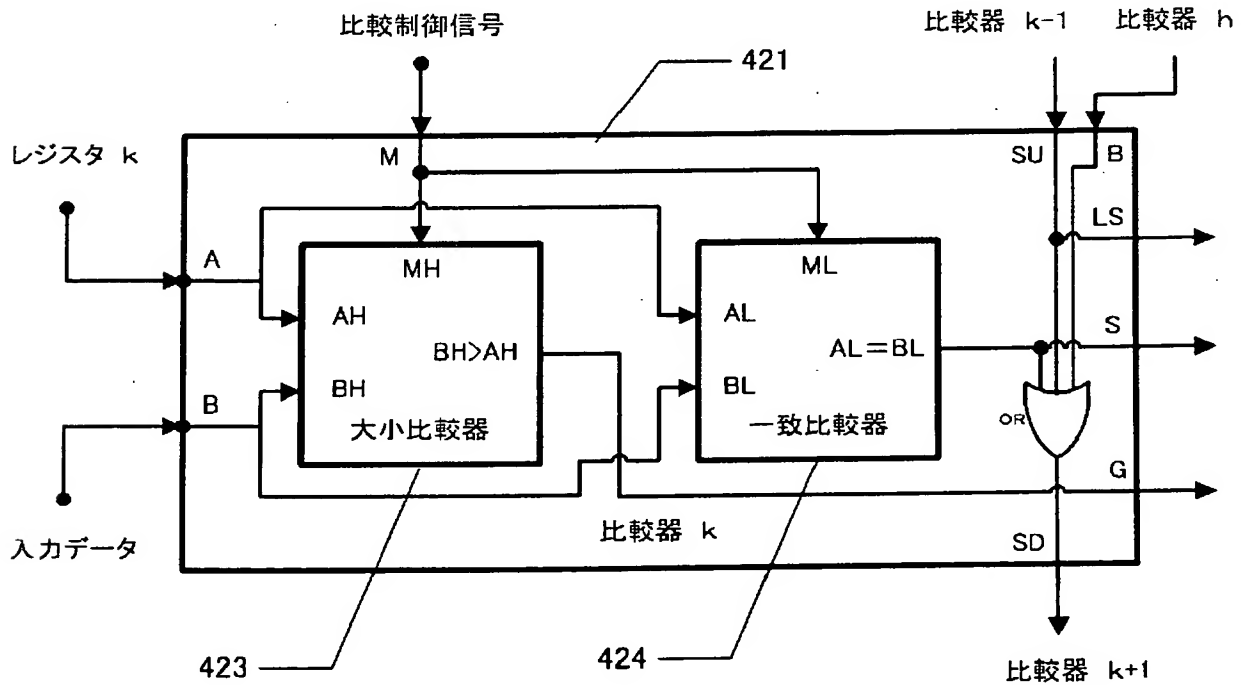
[図8]



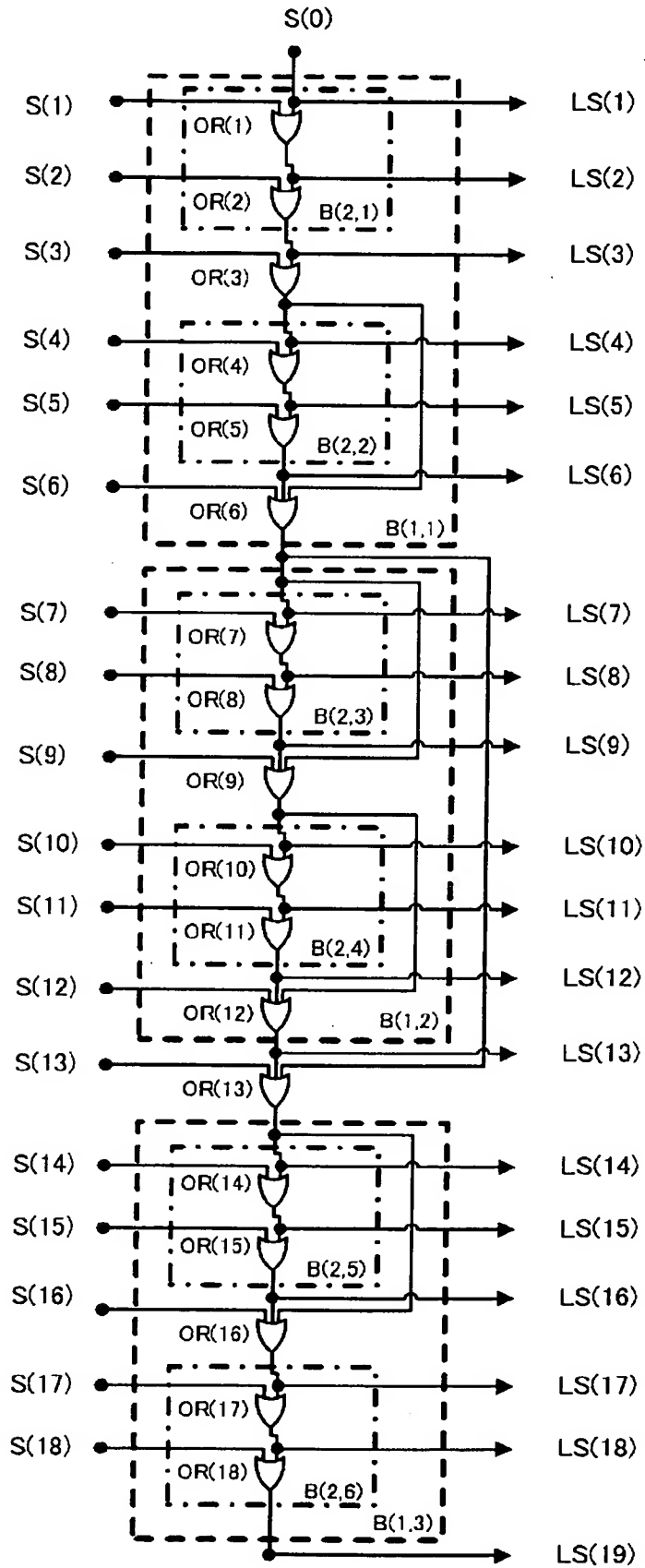
[図9]



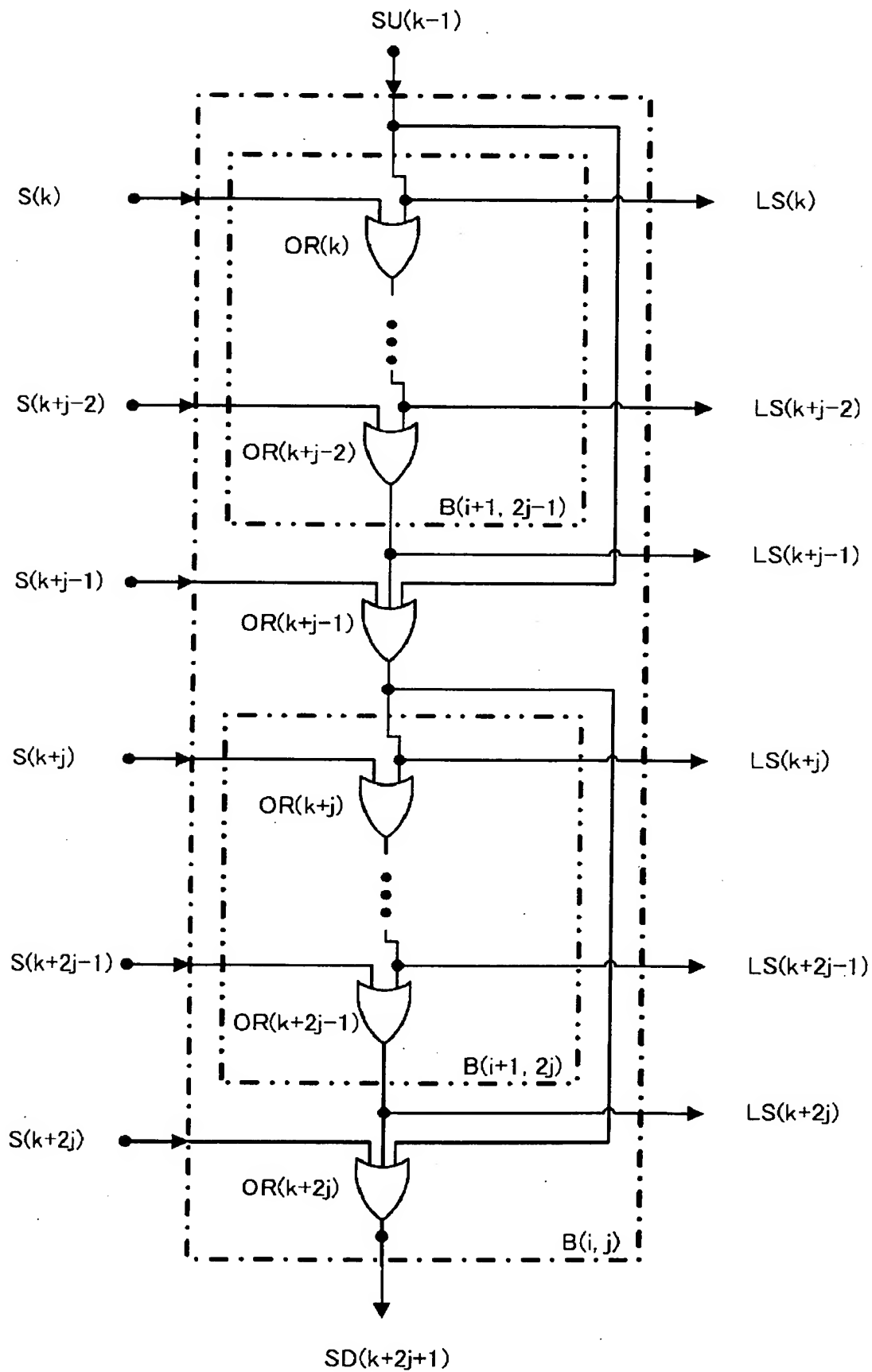
[図10]



[図11]

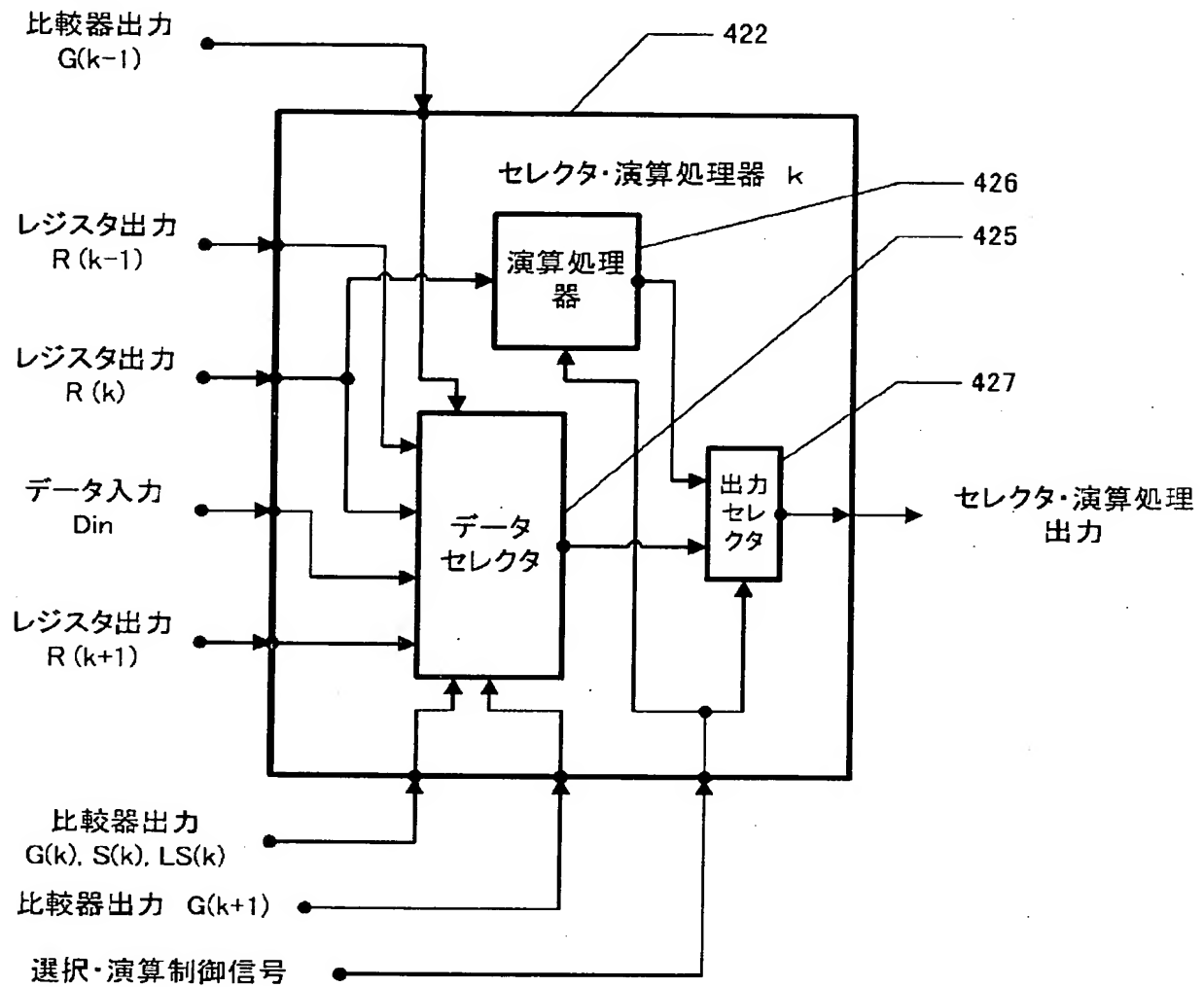


[図12]





[図13]



[図14]

制御信号	条件		比較器出力					セクタ・演算処理出力
	重要度	同一成分順位	G(k-1)	G(k)	G(k+1)	S(k)	LS(k)	
PUSH	$P(k) \geq P_{in}$	*	*	0	*	*	*	R(k)
	$P(k-1) \geq P_{in} > P(k)$	$k \leq K_s$	0	1	*	*	0	Din
	$P_{in} > P(k-1) \geq P(k)$	$k \leq K_s$	1	1	*	*	0	R(k-1)
	*	$k > K_s$	*	*	*	*	1	R(k)
POP	$P(k) \geq P(k+1) \geq P_{in}$	*	*	0	0	*	*	R(k+1)
	$P(k) \geq P_{in} > P(k+1)$	$k < K_s$	*	0	1	0	0	Din
	$P_{in} > P(k)$	$k < K_s$	*	1	*	0	0	R(k)
	*	$k = K_s$	*	*	*	1	*	R(k+1)
	*	$k > K_s$	*	*	*	*	1	R(k+1)
ADD	*	*	*	*	*	*	*	$P(k) + a$
SFTL	*	*	*	*	*	*	*	$P(k) \ll a$
SFTR	*	*	*	*	*	*	*	$P(k) \gg a$

[図15]

## PUSH

k	G	大小比較	重要度データ	成分識別子	一致比較	S	LS
1	0	$P_{in} \leq$	98	777	$\neq$	0	0
2	0	$P_{in} \leq$	74	200	$\neq$	0	0
3	0	$P_{in} \leq$	60	101	$\neq$	0	0
4	1	$P_{in} >$	33	020	$\neq$	0	0
5	1	$P_{in} >$	27	700	$\neq$	0	0
6	1	$P_{in} >$	15	555	$=$	1	0
7	1	$P_{in} >$	8	300	$\neq$	0	1
8	1	$P_{in} >$	5	808	$\neq$	0	1

$K_s \rightarrow$

60	555
----	-----

入力データ

[図16]

POP

k	G	大小比較	重要度データ	成分識別子	一致比較	S	LS
1	0	$Pin \leq$	98	777	$\neq$	0	0
2	0	$Pin \leq$	74	200	$\neq$	0	0
3	0	$Pin \leq$	60	101	$\neq$	0	0
4	1	$Pin >$	33	020	$\neq$	0	0
5	1	$Pin >$	27	700	$\neq$	0	0
6	1	$Pin >$	15	555	$=$	1	0
7	1	$Pin >$	8	300	$\neq$	0	1
8	1	$Pin >$	5	808	$\neq$	0	1
			0	0			
			60	555			

入力データ

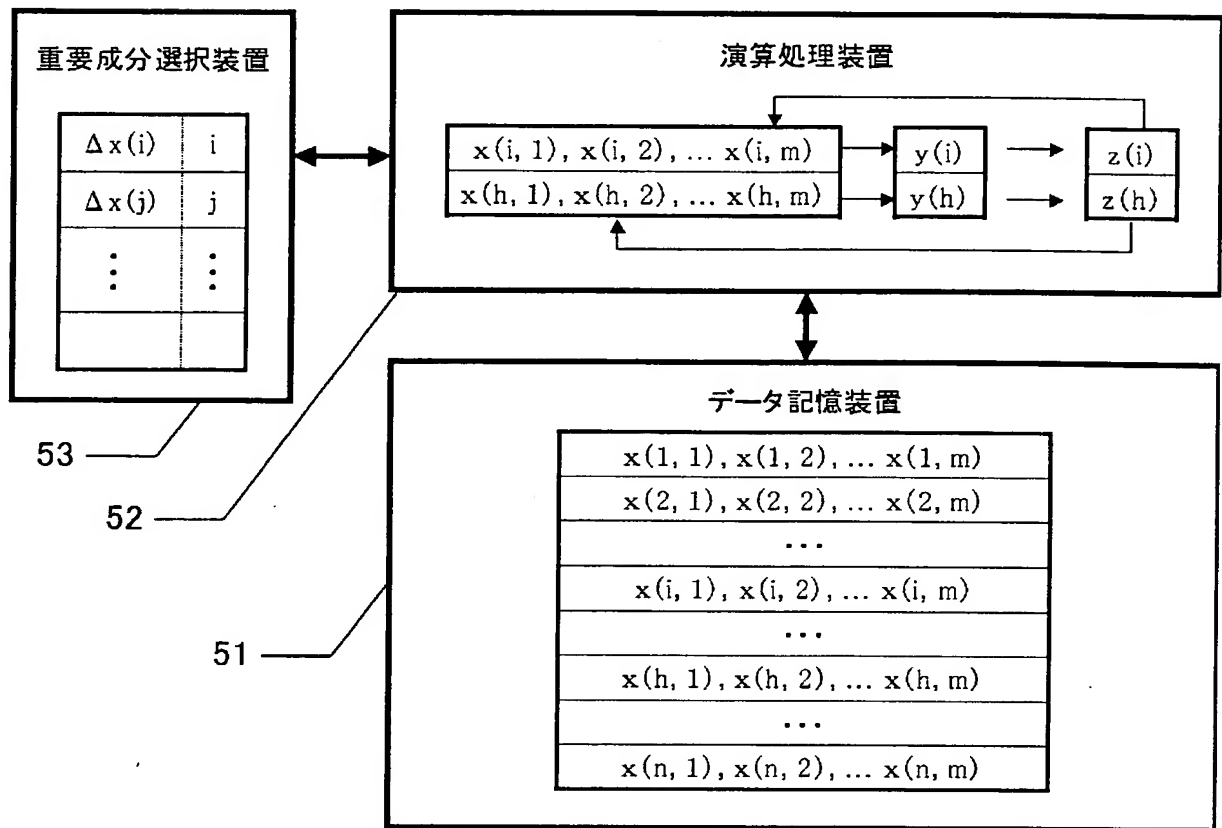
[図17]

POP

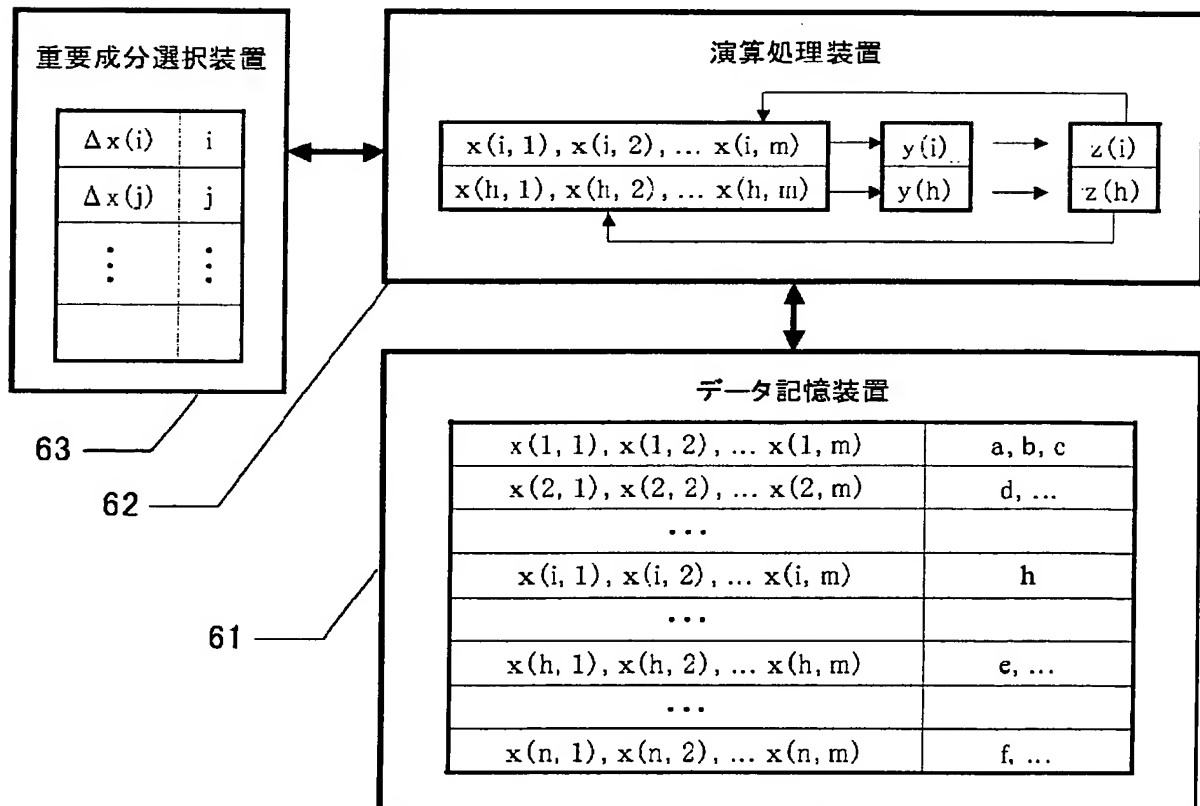
k	G	大小比較	重要度データ	成分識別子	一致比較	S	LS
1	0	$Pin \leq$	98	777	$\neq$	0	0
2	0	$Pin \leq$	74	200	$\neq$	0	0
3	0	$Pin \leq$	60	101	$\neq$	0	0
4	0	$Pin \leq$	33	020	$\neq$	0	0
5	0	$Pin \leq$	27	700	$\neq$	0	0
6	0	$Pin \leq$	15	555	$=$	1	0
7	0	$Pin \leq$	8	300	$\neq$	0	1
8	1	$Pin >$	5	808	$\neq$	0	1
			0	0			
			7	555			

入力データ

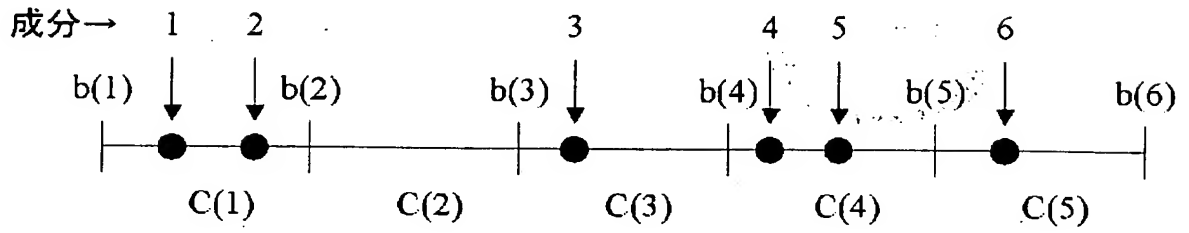
[図18]



[図19]



[図20]



$$C1=\{1, 2\}, C2=\{\}, C3 = \{3\}, C4 = \{4,5\}, C5 = \{6\}$$

$$i \in C(j) \text{ for } b(j) \leq Y_i < b(j+1)$$